19

BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work :- Detailed Estimate for Improvements to Drains at Bagalagunte Main Road Right Side in Ward.No. 14, Bangalore.

Estimated Cost Rs. 19.50 Lakhs

ASSISTANT EXECUTIVE ENGINEER

T.DASARAHALLI SUB DIVISION,

B.B.M.P, BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

(18)

DASARAHALLI ZONE

Name of Work :-Improvements to Drains at Bagalagunte Main Road Right Side in Ward.No. 14, Bangalore

			Est. Cost Rs.				19.50	Lakhs	
Sl. No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB M200-15.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres complete as per specificafions. iii) Dismantling Stone Masonry. B. Rubble Stone	Cum							
	SSM North Side		2	14.00	0.45	(0.50+0.30) / 2	5.04		
			2	45.00	0.45	(0.50+0.30) / 2	16.20		
			2	21.00	0.45	(0.50+0.30) / 2	7.56		
			2	50.00	0.45	(0.50+0.30) / 2	18.00		
			2	28.00	0.45	(0.50+0.30) / 2	10.08		
			2	33.00	0.45	(0.50+0.30) / 2	11.88		
			2	20.00	0.45	(0.50+0.30) / 2	7.20		
			2	21.00	0.45	(0.50+0.30) / 2	7.56		
			2	16.00	0.45	(0.50+0.30) / 2	5.76		
							89.28	180.20	16088.00
	Basic Rate	170.00							
	Add Area Weightage 6%	10.20							
	Total	**180.20**							
2	KSRB 2-2.2: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of c10ds complete as per specifications. specification. No. KBS 2.1 (b) / 2.3.5 (P.5/I.2.4) PW, P & IWTD - SR 2012-13)	Cum							
	SSM North Side - R/S (Including working Space)		1	14.00	2.00	1.20	33.60		
			1	45.00	2.00	1.20	108.00		
			1	21.00	2.00	1.20	50.40		
			1	50.00	2.00	1.20	120.00		
			1	28.00	2.00	1.20	67.20		
			1	33.00	2.00	1.20	79.20		
			1	20.00	2.00	1.20	48.00		

			1	21.30	2.00	1.20	51.12		
			1	16.00	2.00	1.20	38.40		
							595.92	198.22	118123.00
	Basic Rate	187.00							
	Add Area Weightage 6%	11.22							
	Total	**198.22**							
3	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PW, P & IWTD - SR 2012-13)	Cum							
	SSM North Side - R/S		1	14.00	2.00	0.15	4.20		
			1	45.00	2.00	0.15	13.50		
			1	21.00	2.00	0.15	6.30		
			1	50.00	2.00	0.15	15.00		
			1	28.00	2.00	0.15	8.40		
			1	33.00	2.00	0.15	9.90		
			1	20.00	2.00	0.15	6.00		
			1	21.30	2.00	0.15	6.39		
	Road Side		1	232.30	0.30	0.15	10.45		
			1	97.00	0.30	0.15	4.37		
			1	16.00	0.30	0.15	0.72		
							85.23	3812.82	324961.00
	Basic Rate	3597.00							
	Add Area Weightage 6%	215.82							
	Total	**3812.82**							
4	KSRB 5.3-3 : Providing and constructing granite / trap I basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.26/I.5.9) PW, P & IWTD - SR 2012-13)	Cum							
	SSM North Side - R/S		2	14.00	0.45	1.00	12.60		
			2	45.00	0.45	1.00	40.50		
			2	21.00	0.45	1.00	18.90		
			2	50.00	0.45	1.00	45.00		
			2	28.00	0.45	1.00	25.20		
			2	33.00	0.45	1.00	29.70		
			2	20.00	0.45	1.00	18.00		
			2	21.30	0.45	1.00	19.17		
			2	16.00	0.45	1.00	14.40		
							223.47		
		Deduct 60% of Avl Stones Vide Item No. 1					-53.57		
							169.90	3164.10	537587.00
	Basic Rate	2985.00							
	Add Area Weightage 6%	179.10							
	Total	**3164.10**							
5	Construction of Available SSM Qty vide		Deduct Qty of Vide item No.4				**53.57**	1956.76	104820.00
	As per SR Basic Rate	**3006.00**							
	deduct cost of materials	**-700.00**							
	Size stone size 0.20x0.20x0.25=0.01cum	**2306.00**							
	No. of Stones/cum=1/0.01=100 nos								
	Rate /stone =Rs.7.00, 100x7=700/-								

	Deduct Over head charges=10% =2306*10%=230	-230.00							
	Deduct 10% of Contractor Profit 10%	-230.00							
		1846.00							
	Area V ghtage 6%	110.76							
	Total	1956.76							
6	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix M15 with OPC cement @240 kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.6) PW, P & IWTD - SR 2012-13)	Cum							
			2	14.00	0.45	0.075	0.95		
			2	45.00	0.45	0.075	3.04		
			2	21.00	0.45	0.075	1.42		
			2	50.00	0.45	0.075	3.38		
			2	28.00	0.45	0.075	1.89		
			2	33.00	0.45	0.075	2.23		
			2	20.00	0.45	0.075	1.35		
			2	21.30	0.45	0.075	1.44		
			1	14.00	0.30	0.10	0.42		
			1	45.00	0.30	0.10	1.35		
			1	21.00	0.30	0.10	0.63		
			1	50.00	0.30	0.10	1.50		
			1	28.00	0.30	0.10	0.84		
			1	33.00	0.30	0.10	0.99		
			1	20.00	0.30	0.10	0.60		
			1	21.30	0.30	0.10	0.64		
	Road Side		1	232.30	0.30	0.15	10.45		
			1	97.00	0.30	0.15	4.37		
			1	16.00	0.45	0.15	1.08		
							38.55	4327.98	166834.00
	Basic Rate	4083.00							
	Add Area Weightage 6%	244.98							
	Total	**4327.98**							
7	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.120/I.15.3 PW, P & IWTD -SR 2012-13)	Sqm							
			2	14.00		1.00	28.00		
			2	45.00		1.00	90.00		
			2	21.00		1.00	42.00		
			2	50.00		1.00	100.00		
			2	28.00		1.00	56.00		
			2	33.00		1.00	66.00		
			2	20.00		1.00	40.00		
			2	21.30		1.00	42.60		
			2	16.00		1.00	32.00		
							496.60	70.28	34900.00
	Basic Rate	66.30							
	Add Area Weightage 6%	3.98							
	Total	**70.28**							

8	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machi cutting the vertical face to get plain even surface stc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.	Sqm						13	
	As per Approved Rates		1	248.30	1.20		**297.96**	1600.00	476736.00
9	Providing and fixing Pre cast solid concrete kerb stones of size 450x200x400mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. (P.28/I.5.29.1) PW, P & IWTD - SR 2012-13)	No							
			1	14.00			14.00		
			1	45.00			45.00		
			1	21.00			21.00		
			1	50.00			50.00		
			1	28.00			28.00		
			1	33.00			33.00		
			1	20.00			20.00		
			1	21.30			21.30		
			1	16.00			16.00		
							248.30		
			Qty / 0.45				**552.00**	274.54	151546.00
	Basic Rate	259.00							
	Add Area Weightage 6%	15.54							
	Total	**274.54**							
10	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and/or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (P.126/I.15.60.1 PW, P & IWTD -SR 2012-13)	Sqm							
			1	14.00		0.60	8.40		
			1	45.00		0.60	27.00		
			1	21.00		0.60	12.60		
			1	50.00		0.60	30.00		
			1	28.00		0.60	16.80		
			1	33.00		0.60	19.80		
			1	20.00		0.60	12.00		
			1	21.30		0.60	12.78		
			1	16.00		0.60	9.60		
							148.98	75.26	11212.00
	Basic Rate	71.00							
	Add Area Weightage 6%	4.26							
	Total	**75.26**							
11	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading **Page No. 148 Item No. 17.1 PWD SR 2012-13**	Cum							
			Qty Vide Item No. 1				**89.28**	76.79	6855.00
	2 x 1.28 x 4 Kmtrs	10.24							
		62.20							
	Basic Rate	**72.44**							

	Add Area Weightage 6%	4.35							
	Total	**76.79**							
12	Miscellaneous and Unforeseen Charges etc., complete	LS							338
								Total	**1950000**

(Rupees Nineteen Lakhs Fifty Thousand Only)

CERTIFICATE

1) The Work spot has been inspected and the work is found to be necessary
2) The Estimate is prepared as per the PW,P & IWTD - SR - 2012-13
3) The Provision made in estimate are adequante and essential
4) This area comes under B.B.M.P Limits.

Assistant Engineer
Ward-14

Assistant Executive Engineer
T. Dasarahalli Sub-Division
B.B.M.P

Executive Engineer
Dasarahalli Division
B.B.M.P. Bangalore.

A/S

No. JC (DH) AS 548/12-13 Dated : 30/01/13

Rs. 19.50 Lakhs (Rupees Nineteen Lakhs fifty thousand only)

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ರೂ. 19.50 Lakhs (Rupees Nineteen lakhs fifty thousand only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ಪಾಲಿಕೆ ಕಛೇರಿ, ದಾಸರಹಳ್ಳಿ

3/1/

LEAD CHART FOR TRANSPORTING SILT FROM WORK SPOT TO DUMPING YARD

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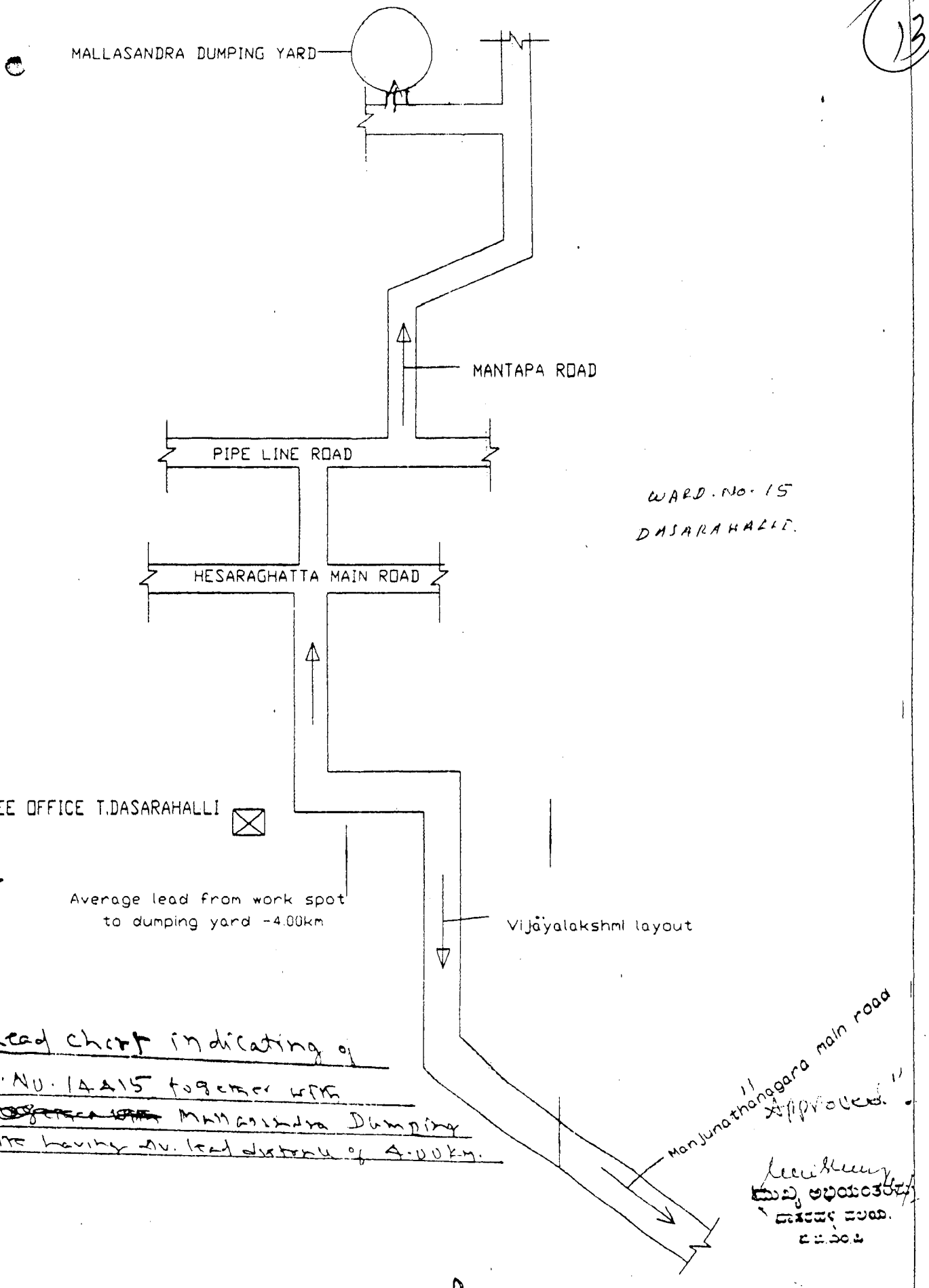

Lead chart indicating of
W. No. 14 & 15 together with
~~[illegible]~~ Mallasandra Dumping
Site having Av. lead distance of 4.00 K.m.

"Approved"

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ದಾಸರಹಳ್ಳಿ ವಲಯ.
ಬೆ.ಮ.ನ.ಪ.

Assist. Engineer
Ward no. 14 & 15

Assist. Executive Engineer
T. Dasarahalli Sub Division
BBMP

Executive Engineer
Dasarahalli Divison-1
BBMP